

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Brian Ballard

GENERAL INFORMATION:

Name:	Bluegrass Station Division
Address:	5751 Briar Hill Road, Lexington, KY 40516-9721
Date application received:	January 25, 2005
SIC/Source description:	9711/National Security
AFS(10-digit) Plant ID:	21-067-00032
A.I.#:	1022
Activity ID#:	APE20040003
Permit number:	F-03-029 (Revision 1)

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
x Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)	Allowable (tpy)
VOC	5.9	280	90*
PM	0.58	15	15
SO _x	0.04	0.5	0.5
NO _x	2.53	21	21
CO	0.58	14	14
Toluene (108883)	0.36	19	9***
Ethylbenzene (100414)	0.0276	9.5	9***
Xylene (1330207)	0.29	21	9***
Methyl Isobutyl Ketone (108101)	0.39	55	9***
Methyl Ethyl Ketone (78933)	0.54	46.5	9***
Chromium Compounds	0.000973	7.0	7.0
Chromium VI	0	1.0	0.0030****
Hexamethylene Diisocyanate (822060)	0	9.0	9***
Combined HAPs	1.61	79	22.5**

* Source wide VOC emission limit: 90 tons/yr

** Source wide combined HAP emission limit: 22.5 tons/yr

*** Source wide single HAP emission limit: 9 tons/yr

**** Source wide Toxics limit

SOURCE PROCESS DESCRIPTION:

Bluegrass Station maintains existing painting facilities consisting of the following operations – paint preparations, repaint operations, and paint application. Other emission units located at Bluegrass Station include natural gas fired boilers, an underground gasoline storage tank, and miscellaneous industrial processes.

EMISSION AND OPERATING CAPS DESCRIPTION:

Ninety (90) tons/year of total VOCs.

Nine (9) tons/year of any one HAP.

Twenty-two and a half (22.5) tons/year for total HAPs.

Six (6.0) lbs/year for Chromium VI.

To preclude applicability of 40 CFR 63 Subpart B.

1. Source wide individual HAP emissions 9 tons/yr.
2. Source wide combined HAP emissions is 22.5 tons/yr.